## 

$$f(x) = \frac{1}{3}ax^{2} - 2x\ln x + (2-a)x(a \in R)$$

$$1 = \frac{1}{3}ax^{2} - 2x\ln x + (2-a)x(a \in R)$$

 $0100^{a}000000$ 

$$0 < a < \frac{1}{e - 1} | 0 > 0 < | X_2 - X_1 | \sqrt{e} - 1_0 |$$

$$2002021 \, \, [ \bullet 0000000000 \, f(x) = (x + b)(e^x - a)(b > 0) \, [ (-1_0 \, f(-1)) \, [ 0000000 \, (e^{-1})x + ey + e^{-1} = 0 ] \, ]$$

0100 <sup>a</sup>0 <sup>b</sup>0

020000 y = f(x) 0 x000000000 P00000 P000000 y = f(x) 0000000000 x000 f(x) f(x) 0

$$3002021 \bullet 00000000 f(x) = (x + b)(e^{2x} - a)(b > 0)_{00} (-\frac{1}{2}, f(-\frac{1}{2}))_{0000000} (e^{-1})x + ey + \frac{e^{-1}}{2} = 0$$

$$010000000 f(x) = (x + b)(e^{2x} - a)(b > 0)_{00} (-\frac{1}{2}, f(-\frac{1}{2}))_{00000000} (e^{-1})x + ey + \frac{e^{-1}}{2} = 0$$

$$22000 \quad f(x) = f(x) - f(x) - f(x) - f(x) - f(x) - f(x) = f(x) - f(x) - f(x) - f(x) - f(x) = f(x) - f(x) -$$

$$4002021$$
  $0 \bullet 00000000000$   $f(x) = ax - e^x + 1$   $hB_0 f(x) 00000$ 

Olionoo Y = f(x) o xooooooo Pooooo Pooooo Aooooo Y = f(x) oooooooo Aoooo

$$\lim_{n\to\infty} X_{n}(x) = m(m>0) \lim_{n\to\infty} X_{n}(x_{1} < x_{2}) \lim_{n\to\infty} X_{2} - X_{1} < 2 - \frac{7m}{10} \lim_{n\to\infty} X_{2}(x_{1} < x_{2}) \lim_{n\to\infty} X_{2}(x_{2} < x_{2}) \lim_{n\to\infty}$$

010000 <sup>f(x)</sup>0000

Ollows 
$$Y = f(x)$$
 o  $X$ 

$$f(x) = a(a_{0000000000} X_0 X_2 X_3 X_4 < X_2 X_5 X_4 < X_5 X_5 X_5 = \frac{a}{5}$$

 $6002021 \bullet 0000000 f(x) = 4x - x^4 - x \in R_0$ 

0100 <sup>f(x)</sup> 000000

0100 <sup>g(x)</sup> 00000

0200000000000 $^{X}$ 000 $^{f(x)}$ ...g(x)0

$$3000 = 100000 X_{0000} f(x) = m_{00000000000} X_{00} X_{00000} | X_{0} - X_{0} | x_{0} - X_{0} | x_{0} + x_{0} | x_$$

$$F(x) = \begin{cases} (x+1)e^{x}, x \cdot 0, \\ x^{x}+1, x < 0 & \text{odd} \ P(-1_{\square} \ f(-1)) \text{ odd} \ 4x + y + b = 0 \end{cases}$$

 $0100\,{}^{a}0\,{}^{b}000$ 

$$20000 \ \mathcal{Y} = f(\mathbf{x}) \ 00 \ P0000000 \ \mathcal{Y} = g(\mathbf{x}) \ 000000000 \ \mathbf{x} \ 000 \ f(\mathbf{x}) \dots g(\mathbf{x}) \ 0$$

9002021 
$$\bigcirc \bullet$$
00000000000  $f(x) = (x+1)(e^x - 1) \bigcirc$ 

$$100 \stackrel{f(x)}{=} 00 \stackrel{(-1_0}{=} f^{(-1))} 0000000$$

0200 a,, e- 10000 
$$f(x)$$
... alnx+ 2ex- 20  $x \in [1_0 + \infty)$  00000

 $\mathbf{10002021} \bullet \mathbf{00000000000} \ f(\mathbf{X}) = (\mathbf{X} + \mathbf{1})(\mathbf{e}^{\mathbf{y}} - \mathbf{1})_{\mathbf{0}}$ 

 $100 \stackrel{f(x)}{=} 00 \stackrel{(-1_0}{=} f^{(-1))} 0000000$ 

02000 f(x)... $\partial X$ 0 R000000  $\partial$ 000

 $010000 \ \mathcal{Y} = f(x) \ 0 \ X = \frac{1}{e} 00000000 \ \mathcal{Y} = g(x) \ 00000 \ f(x) \dots g(x) \ 0$ 

 $20000 f(x) = a_{0000} x_0 x_{0000} |x - x_2| < 2a + e + \frac{1}{e_0}$ 

12002021 • 0000000 f(x) = nx-  $x^n \cap x \in R_{000} n \in N_{00} n.2_{0}$ 

 $\Box \Box \Box \Box \Box f(x) \Box \Box \Box \Box \Box$ 

13002017 • 000000000  $f(x) = (x^2 - x)e^x$ 

 $0100 \ \mathcal{Y} = f(x) \ 00 \ (1_0 \ f_{010}) \ 000000 \ \mathcal{Y} = g(x) \ 0000 \ f(x)...g(x)$ 

 $20000 f(x) = m(m \in R) = m(m \in R$ 

 $^{(I)} \square \square ^{f(X)} \square \square \square ^{X} \square \square \square \square ^{D} \square$ 



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